

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/20752

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07D 235/04, 235/12, 253/26, 235/28, 487/04; A61K 31/4184, 31/4188; A61P 27/06
US CL : 548/ 306.4, 307.1, 309.4; 544/184, 236, 256, 350; 514/394, 395, 243, 248, 249, 262

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 548/ 306.4, 307.1, 309.4; 544/184, 236, 256, 350; 514/394, 395, 243, 248, 249, 262

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CAS ONLINE, EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 4,983,620 A (GANI et al) 08 January 1991(08.01.1991), see entire document especially column 1, formula I and column 4-6, examples 1-6 for compounds made.	1-15
X --- Y	US 5,294,631 A (FRANZ et al) 15 March 1994 (15.03.1994), see entire document especially column 4, formula I, column 5-6 for preferred embodiment, column 6-13 for process of making and column 17-30 for examples of compounds made.	1-15
X --- Y	US 5,502,187 A (AYER et al) 26 March 1996 (26.03.1996), see entire document especially column 3, formula XXX and column 5-15 for various preferred emodiments. Particularly see column 28-76 for examples 1-202 and column 79-86 for process of making them.	1-15
X --- Y	US 6,204,264 B1 (KOBAYASHI et al) 20 March 2001 (20.03.2001). See entire document especially column 2, compound of formula I and figure 1-13 for the process of making them. See also column 23-60 for examples 1-64.	1-15

☐ Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

04 December 2004 (04.12.2004)

Date of mailing of the international search report

06 JAN 2005

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